

CURRICULUM VITÆ - April 2025

Mario Silva, MD, PhD

GENERAL INFORMATION

- First name: Mario
- Last name: Silva
- Born in Parma (Italy), September 24, 1983
- Married, two daughters, one son
- Work address: Scienze Radiologiche, Department of Medicine and Surgery (DiMeC)
University Hospital of Parma
via Gramsci 14, 43126, Parma, Italy



Referees

Nicola Sverzellati, MD, PhD

Professor of Radiology, Section of Diagnostic Imaging, Department of Surgical Sciences
University of Parma
Via Gramsci 14, 43100, Parma, Italy

Alexander A. Bankier, MD, PhD

Professor of Radiology, University of Massachusetts Medical School
Chief of Cardio-Thoracic Imaging, Diagnostic Radiology, UMass Memorial
55 Lake Avenue North
Worcester MA 01655

Sundeep M Nayak, MD

Senior Physician, Department of Radiology
Kaiser Permanente Northern California
San Leandro, CA, USA

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EDUCATION

Education in Medicine and Radiology

1. 2002 – 2008 Medical School, graduation 110/110 “cum laude” at University of Parma (IT);
2. 2007 – 2009 Internship in Radiology at the University of Parma (Chief Prof. M. Zompatori) (IT);
3. 2009 Medical Board exam habilitation at University of Parma (IT);
4. 2009 Medical License: Albo Provinciale dei Medici Chirurghi di PIACENZA (Ordine della Provincia di Piacenza) n. 0000002323;
5. 2010 Course of Cardiac CT for Trainees: “IV Corso Residenziale di Cardio TC per Specializzandi”. Coordinator: Cademartiri F, MD, PhD. Azienda Ospedaliero-Universitaria di Parma (IT);
6. 2011 – 2012 Trainee in Cardio-Vascular Imaging at the Diagnostic Imaging Department of Policlinico S. Orsola-Malpighi (Bologna, IT);
7. 2009 – 2014 Trainee in Diagnostic Imaging School at the University of Parma (IT), graduated in Diagnostic Imaging in July 2014.

CLINICAL CAREER

Clinical Expertise

Main expertise in Pulmonary, Cardiac, Vascular, Oncologic, and Emergency Imaging.

- 2014 – present University Hospital of Parma.
- 2014 – present Multidisciplinary Team of Thoracic Oncology at the University Hospital of Parma (weekly multidisciplinary discussion ≈ 15-30 cases/week)

Clinical Certification

- 2018-2025 Basic Life Support - Defibrillation (BLS-D) certificate according to America Heart Association (AHA - <https://www.heart.org>)
- 2018-2024 Good Clinical Practice (GCP) certificate by the NIDA Clinical Trials Network (<https://gcp.nidatrain.org>)
- 2019-2025 Advanced Cardiovascular Life Support (ACLS) certificate according to America Heart Association (AHA - <https://www.heart.org>)
- April 2021 – October 2021 subscription and attendance at the “Master di Formazione per Direzione di UOC di Radiologia” issued by Società Italiana di Radiologia Medica (SIRM)
- September 2021 – December 2021 – “Aggiornamento formative sulle esposizioni mediche – CORSO SIRM-AIFM-AIRM D.Lgs.101/20” issued by Società Italiana di Radiologia Medica (SIRM)
- October 2021 – “Tutela della privacy in ambito sanitario” issued by Servizio Sanitario Regionale Emilia Romagna
- November 2021 – “La trasparenza nella Pubblica Amministrazione” issued by Regione Emilia Romagna

ACADEMIC CAREER

Fellowships

- 2010 – 2023 Research Fellow in lung cancer screening trial at the Multicenter Italian Lung Detection (MILD and bioMILD), Fondazione IRCCS Istituto Nazionale Tumori (INT, Milan, Italy);
- 2013 Research Fellow in Cardiothoracic Imaging at Beth Israel Deaconess Medical Center (BIDMC, Harvard Medical School, Boston, MA, USA)
- 2014 – 2018 Reading Radiologist in lung cancer screening at the MILD and bioMILD trials at Istituto Nazionale dei Tumori di Milano (*screening low-dose computed tomography read: > 10,000*).
- 2020 – present Associate Researcher at the Institute for Diagnostic Accuracy Consulting B.V. (iDNA) in the field of lung cancer screening and early diagnosis of smoking related lung disease and cardiovascular risk factors

Academic positions

- 2014-2017 – **Doctorate** in Surgical Sciences and Applied Microbiology (Date of PhD defense: March 15, 2017)
University of Parma, Department of Surgical Sciences
- 2015 – 2020 Assistant Professor [**RTD art. 24 lettera a**], legge n. 240 del 30 dicembre 2010; SC 06/I1, SSD MED/36 Diagnostic Imaging and Radiation Therapy]
University of Parma, Department of Surgical Sciences
- 2020 – 2024 **Vice President** of the Degree course in IMAGING AND RADIOTHERAPY TECHNIQUES
University of Parma, Department of Surgical Sciences
- 2021 – 2024 Assistant Professor [**RTD art. 24 lettera b**], legge n. 240 del 30 dicembre 2010; SC 06/I1, SSD MED/36 Diagnostic Imaging and Radiation Therapy]
University of Parma, Department of Surgical Sciences
- 2021 – **Adjunct Assistant Professor** at the TH Chan School of Medicine at the UMass Chan Medical School
University of Massachusetts, Department of Radiology (Worcester, MA, USA)
URL: <https://profiles.umassmed.edu/display/28136779>
- 2024 – **Associate Professor** SC 06/I1, SSD MED/36 Diagnostic Imaging and Radiation Therapy
University of Parma, Department of Surgical Sciences
- 2020 – 2024 **President** of the Degree course in IMAGING AND RADIOTHERAPY TECHNIQUES
- 2024-2027 Departmental Research Committee, Subgroup “Clinical Research”
University of Parma, Department of Surgical Sciences
- 2025 **Rappresentante dell’Assicurazione di Qualità (RAQ)** in the Degree Course of Medicine and Surgery
University of Parma, Department of Surgical Sciences

- 2025 Internal Member of the “**Comitato di Indirizzo**” for the Department of Medicine and Surgery
University of Parma, Department of Surgical Sciences

Academic Certifications

- 2018 – **Certification for Associate Professorship** issued by the National Scientific Review Board (Abilitazione Scientifica Nazionale – **ASN** – alle funzioni di Professore Universitario di **II Fascia**, valida dal 02/10/2018 al 02/10/2024 art. 16, comma 1, Legge 240/10 – Official publication at <https://asn16.cineca.it/pubblico/miur/esito-abilitato/06%252FI1/2/5>).
- 2022 – **Certification for Full Professorship** issued by the National Scientific Review Board (Abilitazione Scientifica Nazionale – **ASN** – alle funzioni di Professore Universitario di **I Fascia**, valida dal 07/06/2022 al 07/06/2032 art. 16, comma 1, Legge 240/10 – Official publication at <https://asn21.cineca.it/pubblico/miur/esito/06%252FI1/1/2>) – See “Attachment 1”.

Teaching Assignments

- 2016 – present *Chief of teaching course* and Official teaching Assignment: Operating Protocols Magnetic Resonance And Computed Tomography; Degree Course In Imaging And Radiotherapy Techniques, University Of Parma
- 2017 – present Residency Program at the University of Parma
 - Diagnostic Imaging (39 CFU-P, 2 CFU-F)
 - Respiratory Diseases (1 CFU-F)
 - Otorhinolaryngology (1 CFU-P)
- 2017 – present Official teaching Assignment: Diagnostics Of Images And Radiology; Master Degree In Medical School, University of Parma
- 2018 – present Official teaching Assignment: Diagnostics Of Images And Radiology; Master Degree In Dentist School, University of Parma

Academic Activity

- Students and trainees mentoring
- Responsibility of degree thesis for:
 - Master Degree in Medical School
 - Degree course in Imaging And Radiotherapy Techniques
 - Residency Program in Diagnostic Imaging
- Manager of International exchange program at the Section of Radiology, Department of Medicine and Surgery (DiMeC) at the University of Parma:
 - 2019 Visiting Professor: Sundeep M Nayak, MD, Senior Physician, The Permanente Medical Group, Inc. – San Leandro, California
- Committee member and Secretariat in Academic job competitions for research positions, including post-doc positions:

- Role: Secretary
Selection: Procedura di selezione pubblica, per titoli e colloquio, indetta con decreto rettorale rep. drd n. 309/2018, prot. 27097 in data 09/02/2018, per il conferimento di n. 1 assegno di ricerca di durata 24 mesi avente per argomento "Micro-tomografia computerizzata nello sviluppo dei farmaci: un metodo non invasivo per valutare la progressione di malattia", per il s.s.d. MED/36 "Diagnostica per immagini e radioterapia" presso il Dipartimento di Medicina e Chirurgia dell'Università di Parma, ai sensi dell'art. 22 della legge 240/2010
- Role: Secretary
Selection: Procedura di selezione pubblica, per titoli e colloquio, indetta con decreto rettorale rep. drd n. 462/2020 prot. 93856 del 26.05.2020, per il conferimento di n. 1 assegno di ricerca di durata 24 mesi avente per argomento "Micro-tomografia computerizzata nello sviluppo dei farmaci: un metodo non invasivo per valutare la progressione di malattia", per il s.s.d. MED/36 "Diagnostica per immagini e radioterapia" presso il Dipartimento di Medicina e Chirurgia dell'Università di Parma, ai sensi dell'art. 22 della legge 240/2010
- Role: Secretary
Selection: Bando per conferimento di contratto di diritto privato a titolo gratuito a dirigenti medici per la Scuola di Specializzazione in Radiodiagnostica dell'Università di Parma per l'anno accademico 2019/2020, ai sensi del DM. n. 68 del 4 febbraio 2015
- Invited Faculty:
 - University of Padova, Italy – Host Faculty: Prof. Paolo Spagnolo
Residency Program in Pulmonology. Symposium: "Lung cancer screening and clinical management of lung nodule". December 20, 2019 – Padova (IT).
 - University of Massachusetts Medical Center and University of Massachusetts Medical School, Massachusetts (USA) – Host Faculty: Prof. Max Rosen and Prof. Alexander Bankier
 - 13th Annual Edward Smith Lecture "Living through Covid -19 in Northern Italy – views from a radiologist, physician, and citizen". June 10, 2020 – Online and Worcester (MA)
 - Residency Program in Radiology "Difficulties in ILD imaging: IPF vs CHP". November 20, 2020 – Online and Worcester (MA)
 - University of Piemonte Orientale, Italy – Host Faculty: Prof. Alessandro Carriero
Italian Network of Residency Program in Radiology. Symposium: "La dispnea". March 8, 2022 – Online National Streaming.
 - University of Modena and Reggio Emilia, Italy – Host Faculty: Prof. Guido Ligabue
Residency Program in Radiology. Symposium: "Semeiotica del nodulo polmonare". March 13, 2023 – Modena (IT).
 - University of Piemonte Orientale, Italy – Host Faculty: Prof. Alessandro Carriero
Italian Network of Residency Program in Radiology. Symposium: "Tumore polmonare: semeiotica imaging del paziente con malattia avanzata". March 15, 2023 – Online National Streaming.
- National Doctorate:
 - Alma Mater Studiorum – Università di Bologna
Dottorato di Ricerca in Oncologia, Ematologia e Patologia (XXXVI Ciclo)
Title: "A machine learning approach to identify patients with resected non-small-cell lung cancer with high risk of relapse"
Candidate: Andrea PROCHOWSKI IAMURRI
Role: Reviewer (year 2023)
 - Alma Mater Studiorum – Università di Bologna
Dottorato di Ricerca in Oncologia, Ematologia e Patologia (XXXVI Ciclo)

Title: “Application and development of an artificial intelligence based multiparametric malignancy index (MMI) for interpretation of 3T multiparametric prostate MRI”

Candidate: Fabio FERRONI

Role: Reviewer (year 2024)

▪ International Doctorate:

- University of Groningen, The Netherlands
Candidate: Sunyi ZHENG
Role: Opposition committee in PhD Defense (June 22, 2021)
- University of Bern, Switzerland
Candidate: Alan Arthur PETERS
Role: Scientific external referee (year 2025)

Awards

1. 2014 RSNA Introduction to Research for International Young Academics (IRIYA) Program, sponsored by the Committee on International Radiology Education (CIRE).
2. 2015 The Outstanding Young Person (TOYP) Prize in Category “Research” organized by the Junior Chamber International (JCI), Parma Section, Italy.
3. 2015 “Premio Luigi Pigorini” National award to proficient scientific production in Thoracic Imaging, for Radiologists under the age of 40 – Società Italiana di Radiologia medica (SIRM), Section of Thoracic Imaging.
4. 2017 European Congress of Radiology (ECR 2017, March 1-5 – Vienna, Austria): Best Scientific Paper Presentation Award 2017 within the topic "Chest"
Awarded presentation: “Subsolid and Part-Solid Nodules in Lung Cancer Screening: Comparison Between Visual and Computer-Aided Detection” **Silva M**, Capretti G, Sverzellati N, Jacobs J, Ciompi F, van Ginneken B, Schaefer-Prokop CM, Marchianò A, Pastorino U.
5. 2017 54th National Congress of the Italian Society of Rheumatology (SIR – November 22-25, Rimini, Italy) Awarded poster: “Quantification of Interstitial Lung Disease in Sjogren Syndrome” **Ariani A**, **Silva M**, Martin Garrido, Martin Segarra O, Santilli D, Mozzani F, Luque Pinilla JM, Sverzellati N, Guisado Vasco P.
6. 2017 Journal of Thoracic Imaging’ (JTI) Editor’s Recognition Award for Distinction in Reviewing in 2017, as noted in the January 2018 issue of the journal.
7. 2018 Journal of Thoracic Imaging’ (JTI) Editor’s Recognition Award for Distinction in Reviewing in 2018, as noted in the January 2019 issue of the journal.

SCIENTIFIC ACTIVITY

Scopus Author ID: 56335785800 <http://www.scopus.com/authid/detail.uri?authorId=56335785800>

Web of Science ResearcherID: B-9509-2016 <http://www.researcherid.com/rid/B-9509-2016>

ORCID: 0000-0002-2538-7032 <http://orcid.org/0000-0002-2538-7032>

ResearchGate: https://www.researchgate.net/profile/Mario_Silva12/

Google Scholar: http://scholar.google.it/citations?user=gzM0B_QAAAAJ&hl=en

National And International Scientific Collaborations

1. 2010 – 2023 Fondazione IRCCS Istituto Nazionale dei Tumori (INT) – Milan, Italy
2. 2014 – 2016 Beth Israel Deaconess Medical Center (BIDMC), Harvard Medical School – Boston (MA), Unites States of America
3. 2014 – 2023 Radboud University Medical Center – Nijmegen, The Netherlands
4. 2017-2019 University of Brescia – Brescia, Italy
5. 2018 – ongoing Centre of Research Excellence in Pulmonary Fibrosis (CRE-PF), Faculty of Medicine and Health, The University of Sydney, Royal Prince Alfred Hospital – Camperdown, Australia
6. 2020 – present Institute for Diagnostic Accuracy Consulting B.V. (iDNA) awarded an EU project (4-in-the-lung-run) in the field of lung cancer screening and early diagnosis of smoking related lung disease and cardiovascular risk factors
7. 2021 – present University of Twente (The Netherlands) leading the multicenter project “Preference study for Big-3 Screening”

Grants

1. 2016 – ESTI Experienced Chest Radiology Researchers Grant – European Society of Thoracic Imaging (ESTI).
Project title: “Information From Computed Tomography Follow-Up in Idiopathic Pulmonary Fibrosis: iPFBC Multicenter Pooled Comparison With Clinical and Functional Metrics”
Role: Principal Investigator
Funding: 7,500 euros
2. 2019 – Italian Foundation for Cancer Research (Associazione Italiana per la Ricerca sul Cancro, AIRC) Investigator Grant - IG 2019
Project title: “A Radio-Immuno-Genomic Approach to Identify Prognostic and Predictive Models for the Response to Immunotherapy in NSCLC” – PI: Prof. Nicola Sverzellati (Department of Medicine and Surgery, University of Parma, Parma, Italy)
Grant ID: 23606
Role: Experienced researcher
Funding: 1,119,000 euros
3. 2019 – Fondazione Cariparma
Project title: “Progetto Salute Parma (PSP): Prevenzione Primaria e Secondaria del Danno da Fumo” (Primary and Secondary Prevention (PSP) of Smoking Related Damage: Parma Project) – PI: Prof. Nicola Sverzellati (Department of Medicine and Surgery, University of Parma, Parma, Italy)

Grant ID: 0166/2019

Role: Scientific collaborator

Funding: 139,000 euros

4. 2020 – University of Parma “Bando straordinario di Ateneo per progetti di ricerca biomedica in ambito SARS-CoV-2 e COVID-19”
Project title: “Morbilità e mortalità da Covid-19 nel diabete mellito di tipo 2: possibile ruolo del macrofago e impatto di farmaci anti-diabete” – PI: Prof. Riccardo Bonadonna (Department of Medicine and Surgery, University of Parma, Parma, Italy)
Role: Scientific collaborator
5. 2020 – Swiss National Science Foundation (SNSF), National Research Programme (NRP) 78 entitled “COVID-19”
Project title: “AI-multi-omics-based Prognostic Stratification of COVID-19 Patients in Acute and Chronic State” – PI: Alexander Pollinger (Inselspital Bern, University of Bern, Bern, Switzerland)
Role: Scientific collaborator
Funding: 617,665 CHF
6. 2020 – Italian Ministry of Health, BANDO RICERCA FINALIZZATA 2019
Project title: “Model for Optimized Implementation of Early Lung Cancer Detection: Prospective Evaluation Of Preventive Lung HEalth (PEOPLHE)” – PI: Prof. Nicola Sverzellati (Department of Medicine and Surgery, University of Parma, Parma, Italy)
Role: Research team
Funding: 449,940 euro
7. 2022 – Italian Ministry of Health, BANDO RICERCA FINALIZZATA 2021 – Young Researchers Under 40
Project title: “A new diagnostic algorithm to non-invasively track fibrotic changes in myeloproliferative neoplasms based on C-C Chemokine Receptor 2 detection. From flow cytometry to the development of targeted Positron Emission Tomography molecular imaging. Pre-clinical studies and first in-human proof of concept” – PI: Prof. Elena Masselli (Department of Medicine and Surgery, University of Parma, Parma, Italy)
Role: Collaborator
Funding: 430,000 euro (GR-2021-12373308)
8. 2023 – Italian Ministry of Health, Piano Operativo Salute (POS), Traiettorie 3 (Medicina rigenerativa, predittiva e personalizzata)
Project title: “Integrative “Multi-Omics” And Functional Platform For The Complete Diagnostic Characterization Of Tumors: The Italian Tumor Chemogenomic Profiler (IT-TCP)” – PI: Prof. Giovanni Roti (Department of Medicine and Surgery, University of Parma, Parma, Italy)
Role: Investigator

Clinical Trials

Lung Cancer Screening by Low-Dose Computed Tomography

1. **MILD:** Multicentric Italian Lung Detection (ClinicalTrials.gov Identifier: NCT02837809)
2. **bioMILD:** Plasma microRNA Profiling as First Line Screening Test for Lung Cancer Detection: a Prospective Study (ClinicalTrials.gov Identifier: NCT02247453)
3. **SMILE:** Screening and Multiple Intervention on Lung Epidemics (ClinicalTrials.gov Identifier: NCT03654105)

4. **PSP:** Progetto Salute Parma: Prevenzione Primaria e Secondaria del Danno da Fumo (Primary and Secondary Prevention (PSP) of Smoking Related Damage: Parma Project) (ClinicalTrials.gov Identifier: NCT04282694)
5. **PEOPLHE:** Model for Optimized Implementation of Early Lung Cancer Detection: Prospective Evaluation Of Preventive Lung HHealth
6. **RISP:** Rete Italiana Screening Polmone
7. **4-IN THE LUNG RUN:** towards INdividually tailored INvitations, screening INtervals, and INtegrated co-morbidity reducing strategies in lung cancer screening
Funded in HORIZON 2020 (7,999,948.75 euro, Grant agreement ID: 848294)
url: <https://cordis.europa.eu/project/id/848294>

Thoracic Oncology

1. **EORTC (European Organisation for Research and Treatment of Cancer) Lung Cancer Group)**
 - a. **Study 1417:** “REACTION: A phase II study of etoposide and cis/carboplatin with or without pembrolizumab in untreated extensive small cell lung cancer”
(EudraCT number: 2014-003090-42)
 - b. **Study 1613:** “APPLE: Feasibility and activity of AZD9291 treatment on Positive PLasma T790M in EGFR mutant NSCLC patients”
(EudraCT number: 2016-001834-82)
 - c. **Study 1525:** “Single-arm, multicenter, phase II study of immunotherapy in patients with type B3 thymoma and thymic carcinoma previously treated with chemotherapy – Nivothym”
(EudraCT number: 2015-005504-28)
2. **PARMA:** Progetto AIRC Ricerca Multiomica Avanzata (A Radio-Immuno-Genomic Approach to Identify Prognostic and Predictive Models for the Response to Immunotherapy in NSCLC) (ClinicalTrials.gov registration underway)

Oncoheamatology

1. ACE-CL-007: Elevate CLL TN: Study of Obinutuzumab + Chlorambucil, Acalabrutinib (ACP-196) + Obinutuzumab, and Acalabrutinib in Subjects With Previously Untreated CLL (ClinicalTrials.gov Identifier: NCT02475681)
2. ACE-LY-308: A Study of Bendamustine and Rituximab Alone Versus in Combination With Acalabrutinib in Subjects With Previously Untreated Mantle Cell Lymphoma (ClinicalTrials.gov Identifier: NCT02972840)
3. 20130109: Study to Assess if ABP798 is Safe & Effective in Treating Non Hodgkin Lymphoma Compared to Rituximab (JASMINE) (ClinicalTrials.gov Identifier: NCT02747043)
4. CC-5013-NHL-007: Rituximab Plus Lenalidomide for Patients With Relapsed / Refractory Indolent Non-Hodgkin's Lymphoma (Follicular Lymphoma and Marginal Zone Lymphoma) (AUGMENT) (ClinicalTrials.gov Identifier: NCT01938001)
5. GS-US-313-1580: Dose Optimization Study of Idelalisib in Follicular Lymphoma (ClinicalTrials.gov Identifier: NCT02536300)
6. B-MIND: A Trial to Evaluate the Efficacy and Safety of MOR208 With Bendamustine (BEN) Versus Rituximab (RTX) With BEN in Adult Patients With Relapsed or Refractory Diffuse Large B-cell Lymphoma (DLBCL) (ClinicalTrials.gov Identifier: NCT02763319)
7. PCYC-1141-CA: Study of Ibrutinib and Rituximab in Treatment Naïve Follicular Lymphoma (ClinicalTrials.gov Identifier: NCT02947347)

8. B3281006: A Study Of PF-05280586 (Rituximab-Pfizer) Or MabThera® (Rituximab-EU) For The First-Line Treatment Of Patients With CD20-Positive, Low Tumor Burden, Follicular Lymphoma (REFLECTIONS B328-06) (ClinicalTrials.gov Identifier: NCT02213263)

Development Of Quantitative Imaging And Artificial Intelligence

1. 2013 – 2016 Pulmo3D and Airway Examiner, MeVis - Fraunhofer, Germany
2. 2013 – 2016 Parametric Response Map (PRM) for COPD phenotyping, Imbio - Minneapolis, MN
3. 2013 – present Quantitative Imaging Biomarkers Alliance (QIBA), Committee “QIBA Lung Density Biomarker” http://qibawiki.rsna.org/index.php/Lung_Density_Biomarker_Ctte
4. 2014 – 2018 CIRRUS Lung Screening, CAD system for detection and quantification of lung nodules – Radboud University Medical Center, Nijmegen, Netherlands
5. 2014 – 2015 OraMod European project, Multidisciplinary platform for comprehensive management of oral cancer “Imaging platform for quantitative analysis and standardized staging” – Imaging developers the Fraunhofer Institute for Computer Graphics IGD in Darmstadt (DE) and the University of Parma (IT).
Grant agreement ID: 611425
6. 2016 – 2019 BD2Decide project: A Prospective Observational Study for the Development and Validation of New Prognostic Models in Head and Neck Cancer Patients for Decision Support.
European Commission funded projects within the program “Horizon2020”, accessible within the Community Research and Development Information Service (CORDIS):
http://cordis.europa.eu/project/rcn/200298_en.html
H2020-PHC-2015-689715 BD2Decide
Grant agreement ID: 689715
7. 2017 – present Quantitative Imaging Biomarkers Alliance (QIBA), Committee “CT Small Lung Nodule Biomarker”
http://qibawiki.rsna.org/index.php/CT_Small_Lung_Nodule_Biomarker_Ctte
8. 2020 – present Institute for Diagnostic Accuracy Consulting B.V. (iDNA) awarded an EU project (4-in-the-lung-run) in the field of lung cancer screening and early diagnosis of smoking related lung disease and cardiovascular risk factors.

Membership Of Scientific Societies

1. Ordinary member of the Italian Society of Radiology (SIRM), Sections of Thoracic Imaging and Cardiovascular Imaging, since 2009
2. Elected delegate of “Young Radiologists” for the Regional Group of SIRM in Emilia-Romagna 2012-2013
3. Ordinary member of the European Society of Radiology since 2012
4. Ordinary member of the European Society of Thoracic Imaging (ESTI) since 2012
5. Junior member of the Radiology Society of North America (RSNA) since 2013
6. Ordinary member of Quantitative Imaging Biomarkers Alliance (QIBA) “COPD/Asthma” and “Lung Nodule assessment in CT screening” section at RSNA since 2013, and “CT Small Lung Nodule Biomarker Ctte” since 2018
7. Silver Under 35 member of European Respiratory Society (ERS) since 2014

8. European Organization for Research and Treatment of Cancer (EORTC – Lung Section) since 2015
9. Board member of the European Society of Thoracic Imaging (ESTI) since 2017
10. International Association for the Study of Lung Cancer (IASLC) since 2021
11. Elected delegate of “University Radiologists” for the Regional Group of SIRM in Emilia-Romagna 2025-2026

Membership Of International Scientific Committees

- 1) European Society of Thoracic Imaging (ESTI):
 - a. Member of the “Social Media Committee” (formerly “Electronic Media Committee”) (<http://esti.gr4fix.net/committee/>) 2017-2025
 - b. Lung cancer screening (LCS) certification project since 2019
URL: <https://www.myeesti.org/lungcancerscreeningcertificationproject/>
 - c. European Society of Thoracic Imaging (ESTI) representative (aka: Subspecialty Society Delegate) in the European Society of Radiology (ESR) Research Committee since 2020
 - d. Member of the “Training and Educational Committee - LCS” in the Section
 - i. “Structured report” (<http://esti.gr4fix.net/committee/>) 2020-2023
 - ii. “CAD Workshops” (<http://www.myeesti.org/committee/>) 2022-2025
- 2) European Society of Radiology (ESR): e-Learning committee “Chest Imaging” (role: Content lead) since 2018.

International Guidelines Committee

1. European Society of Radiology (ESR) and European Respiratory Society (ERS) white paper on Lung Cancer Screening. Chapters assigned:
 - a. Italian experience: Bonomo L, **Silva M**
 - b. Overdiagnosis: **Silva M**, Brodersen J, Gaga M, Bostantzoglou N, Revel MP
 - c. Biomarkers for lung cancer: **Silva M**, Blum T, Peled N, Gaga M
2. European Task Force: TF-2020-10 ERS/ESTI/ESR/ESTRO/ESTS Clinical Practice Guideline on the management of positive findings from low-dose CT screening for lung cancer

Editor For International Scientific Journals

1. European Journal of Radiology (ISSN: 0720-048X):
 - a. Section Editor of “Chest Imaging” since 2018 (impact factor 2.462)
 - b. Lead Editor of Section “Chest Imaging” since 2021 (impact factor 2.687)
URL: <https://www.ejradiology.com/content/edboard>
2. Tumori Journal (ISSN: 0300-8916): Section Editor of “Imaging Section” since 2019 (impact factor 1.304) – URL: <https://journals.sagepub.com/editorial-board/tmj>
3. British Journal of Radiology (ISSN: 0007-1285): Associate Editor of “Respiratory/Chest Diagnostics” since 2020 (impact factor 1.939) – URL: <https://www.birpublications.org/page/editorialboard/bjr>

Reviewer For International Authorities

1. Appointed peer reviewer by Cancer Research UK (<https://www.cancerresearchuk.org>), for the specific task of Early Detection Research Committee:
 - a. *Application Title: "ASCENT: Analysis of screen-detected lung cancers genomic traits"*
Application Reference: C9429/A28706
2. Interface Politikstudien Forschung Beratung GmbH (<https://www.interface-pol.ch/en>): appointed as "Italian expert" in International survey for planning of Lung Cancer Screening at population level in Switzerland

Reviewer For International Scientific Journals (selection)

1. "Respiration" (ISSN: 0025-7931) since 2013 (impact factor 2.651);
2. "COPD: Journal Of Chronic Obstructive Pulmonary Disease" (ISSN: 1541-2555) since 2013 (impact factor 2.673);
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22. "BMC Cancer Communications" (ISSN: 2523-3548) since 2019 (impact factor 3.644).
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Editor Of Book

1. Cancer Dissemination Pathways (Series ISSN 2510-3474): The Thorax (1st ed. 2020 Edition) – Sverzellati N, **Silva M** Editors (Springer; eBook ISBN 978-3-030-27233-3; hardcover ISBN 978-3-030-27232-6) <https://www.springer.com/gp/book/9783030272326>

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 - a. Chapter 2: “Radiological Signs of Tumor Dissemination” – Authors: Beer L, Oberndorfer F, **Silva M**, Prosch H
 - b. Chapter 7: “Other Mediastinal Tumors” – Authors: Milone F, Taronna G, Gnetti L, **Silva M**
7. Grainger & Allison's Diagnostic Radiology 7th Edition (Elsevier; Hardcover ISBN 9780702075247; eBook ISBN 9780702075612– 9780702075629) – Adam A, Dixon A, Gillard J, Schaefer-Prokop CM Editors (2020) – Section “Chest and Cardiovascular System”, Chapter 9 “High-Resolution Computed Tomography of Interstitial and Occupational Lung Disease” – Authors **Silva M**, Sverzellati N
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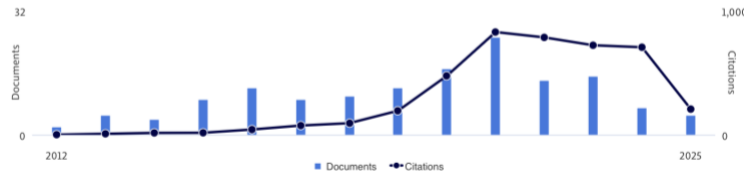
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Document & citation trends



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doi: 10.1016/j.ejrad.2023.110760
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Journal of Thoracic Imaging, 2024, 40(1), e0801.
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European Journal of Cancer 2024, Online 26 September.
doi: 10.1016/j.ejca.2024.114339
144. Sverzellati N, Milanese G, Ryerson CJ, Hatabu H, Walsh SLF, Papapietro R, Gazzani SE, Bacchini E, Specchia F, Capretti G, Ledda RE, Milone F, **Silva M***, Iezzi E*. Interstitial Lung Abnormalities In Unselected Abdominal And Thoraco-Abdominal Ct Scans: The “Prevalence” Study On 21,118 Patients.
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Computerized Medical Imaging and Graphics, 2024, 118, 102442
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Feasibility of AI as first reader in the 4-IN-THE-LUNG-RUN lung cancer screening trial: impact on negative-misclassifications and clinical referral rate.
European Journal of Cancer, 2025, 216, 115214
doi: 10.1016/j.ejca.2024.115214
147. Paradigm shift in early detection: Lung cancer screening to comprehensive CT screening
148. Histological proven AI performance in the UKLS CT lung cancer screening study: Potential for workload reduction
149. Action plan for an international imaging framework for implementation of global low-dose CT screening for lung cancer

Congresses And Courses

Abstract Of Scientific Poster Presentation

1. RSNA 2010 (Congress of the Radiological Society of North America) - Chicago, Illinois
De Filippo M, **Silva M**, Johnson KM, Bertone C, Zompatori M, Rossi C. Accuracy of Multiplanar Reformatted CT Imaging in the Quantification of Glenoid Bone Loss Following Shoulder Dislocation.
2. ECR 2011 (Congress of the European Society of Radiology) - Vienna, Austria
Martini C, Maffei E, Sverzellati N, **Silva M**, Arcadi T, Seitun T, Clemente A, Lario C, Cademartiri F; Parma/IT. #3826 - C-1169 Coronary calcium score assessed on unenhanced low-dose chest CT: feasibility study. Type: Scientific Paper.

3. ESTI meeting 2012 (Meeting of the European Society of Thoracic Imaging) - London, United Kingdom
Silva M, Colombi D, Buttarelli L, Ranalli A, Seletti V, Mereu M, Rossi C, Sverzellati N. Extension of Pulmonary Fibrosing Diseases: a Comparison of Quantification Scoring Systems.
4. Quantitative CT Symposium at STR Meeting 2014, March 15 (Society of Thoracic Radiology) - San Antonio, Texas
Silva M, Nemec S, Dufresne V, Molinari F, Bankier AA. Lobar Contribution to Lung Volume in Healthy Subjects: Quantitative Assessment by CT.
5. ATS Meeting 2014, May 16-21 (Meeting of the American Thoracic Society) – San Diego, California
DuBrock HM, Bankier AA, **Silva M**, Litmanovich DE, Curry MP, Washko GR. Pulmonary vessel cross-sectional area before and after liver transplant.
6. 100th Meeting of the Radiological Society of North America (RSNA), November 30 – December 5, 2014 – Chicago, IL
Silva M, Nemec SF, Heidinger BH, Occhipinti M, Dufresne V, Molinari F, Bankier AA. Lung Volume and Heterogeneity: CT Quantification of Lobar Contribution.
7. 16th World Congress on Lung Cancer , September 6-9, 2015 (International Association for Surgery of Lung Cancer – IASLC) – Denver, Colorado
Silva M, Galeone C, Sverzellati N, Marchianò A, Calareso G, Sestini S, La Vecchia C, Sozzi G, Pelosi G, Pastorino U. Small Cell Lung Cancer in Lung Cancer Screening: Frequency and Outcome.
8. European Respiratory Society (ERS) International Congress 2015, September 26-30 – Amsterdam, The Netherlands.
Alfieri V, Milanese G, Panagiota T, Aiello M, **Silva M**, Sverzellati N, Marangio E, Chetta A. COPD Phenotypes by High Resolution Computed Tomography (HRCT) and Ventilatory Response to Exercise
9. ECR 2016, March 2-6 (European Congress of Radiology) - Vienna, Austria
Milanese G, **Silva M**, Borghesi A, Bezzi M, Bonifazi M, Novali M, Sverzellati N. Treatment of emphysema: procedure planning and follow-up by HRCT
10. Joint Meeting of European Society of Thoracic Imaging (ESTI) and European Society of Cardiovascular Radiology (ESCR) – Geneva 2018, Switzerland
Casilli E, **Silva M**, Milanese G, Sverzellati N. Quantitative CT imaging of the lung: Current applications and future perspectives in diagnostics of nodule and diffuse lung disease
11. European Congress of Rheumatology EULAR 2018 – Amsterdam, The Netherlands.
Bertolazzi C, **Silva M**, Rojas-Serrano J, Carnevale A, Sverzellati N, Gutierrez M, Alfaro-Rodriguez A, Ariani A. Quantitative CT Indexes in the Evaluation of Interstitial Lung Disease Related to Rheumatoid Arthritis
12. National Research Program 78 “Covid-19” 1st Programme Conference – April 28-29, 2021 – Online from Bern, Switzerland.
AI-multi-omics-based Prognostic Stratification of COVID-19 Patients in Acute and Chronic State.
PIs: Pöllinger A, Reyes M, Duncan J, Sverzellati N.
Project Partners: Cortopassi IO, Hautz W, Dela Cruz C, Caminiti C.
Team Members: Garcia Henao JA, He G, **Silva M**, Staib L, You C, Yang J, Gange C, Bajercius H, Depotter A, Barroso C, Schröder E, Pahud de Mortanges A.
13. European Society of Medical Oncology (ESMO) 2021 Conference, September 16-21 – Online
Mazzaschi G, Scandino R, Milanese G, Pavone C, Balbi M, Moron Dalla Tor L, **Silva M**, Ledda RE, Minari R, Trentini F, Bordi P, Buti S, Leonetti A, Quaini F, Sverzellati N, Romanel A, Tiseo M. #3456 A highly predictive blood-radiomics classifier in advanced NSCLC treated with immunotherapy
14. CHEST Congress 2022, June 27-29 Bologna (IT)
Lancaster H, Zheng S, Aleshina O, Yu D, Chernina V, Heuvelmans M, De Bock G, Dorrius M, Gratama Jw, Morozov S, Gomboleviskiy V, Silva M, Yi J, Oudkerk M.
Inter-Reader Agreement When Using Artificial Intelligence For Classification Of Solid Pulmonary Nodules In Ultra-Low Dose CT Baseline Lung Cancer Screening
DOI: <https://doi.org/10.1016/j.chest.2022.04.099>
15. International Association for the Study of Lung Cancer (IASLC) – World Congress of Lung Cancer 2023 (WCLC2023) – September 9-12, Singapore
Vonder M, van der Aalst C, Hubert J, Moldovanu D, Schmitz A, Gratama JWC, **Silva M**, de Koning H, Oudkerk M.
Dedicated Cardiovascular Screening in Lung Cancer Screening: Preliminary Results from the European 4-IN-THE-LUNG-RUN Trial

Abstract Of Oral Presentations

Year 2011

ECR 2011, March 6-10 (European Congress of Radiology) - Vienna, Austria

1. Sverzellati N, Randi G, Calabrò E, **Silva M**, Kunhigk JM, Marchianò A, Zompatori M, Pastorino U. Relationship between lung cancer and pulmonary emphysema.

Year 2014

Third Systemic Sclerosis World Congress, February 6-8, 2014

2. Ariani A, Lumetti F, Santilli D, Mozzani F, **Silva M**, Delsante G, Sverzellati N. Systemic sclerosis interstitial lung disease evaluation: comparison between semiquantitative and quantitative CT assessment.

ECR 2014, March 6-10 (European Congress of Radiology) - Vienna, Austria

3. **Silva M**, Centra F, Colombi D, Rossi C, Sverzellati N, Bankier AA. Ground glass nodules: CT-epidemiological analysis of growth patterns.
4. **Silva M**, Kienzl D, Mueller-Mang C, Jaskch P, Klepetko W, Bankier AA. Quantitative CT in the follow up of functionally stable lung transplant recipients.
5. **Silva M**, Centra F, Colombi D, Ampollini L, Carbognani P, Rossi C, Sverzellati N. Ground glass nodules evolution according with an history of tumour.
6. Colombi D, Diciotti S, Manna C, Montermini I, Fontana E, Rossi C, **Silva M**, Tiseo M, Sverzellati N. Three-dimensional analysis of advanced stage NSCLC: prognostic significance of volumetric measurements

STR Meeting 2014, March 16-18 (Society of Thoracic Radiology) - San Antonio, Texas

7. **Silva M**, Centra F, Colombi D, Rossi C, Sverzellati N, Bankier AA. Ground glass nodules: CT-epidemiological analysis of growth patterns.
8. **Silva M**, Kienzl D, Mueller-Mang C, Jaskch P, Klepetko W, Bankier AA. Quantitative CT in the follow up of functionally stable lung transplant recipients.

Congresso Nazionale SIRM 2014, May 22-25 (Società Italiana di Radiologia Medica) - Firenze, Italy

9. **Silva M**, Centra F, Colombi D, Rossi C, Sverzellati N, Bankier AA. Noduli subsolidi: analisi radiologica epidemiologica dei pattern di evoluzione.
10. **Silva M**, Kienzl D, Mueller-Mang C, Jaskch P, Klepetko W, Bankier AA. Analisi quantitative della tomografia computerizzata nel follow up del trapianto polmonare bilaterale in pazienti clinicamente stabili.

100th Meeting of the Radiological Society of North America (RSNA), November 30 – December 5, 2014 – Chicago, IL

11. **Silva M**, Kienzl D, Mueller-Mang C, Jaskch P, Klepetko W, Bankier AA. Longitudinal Assessment of Tissue Loss and Air Trapping in Functionally Stable Lung Transplant Recipients Using Quantitative CT measurements.

Year 2015

ECR 2015, March 4-8 (European Congress of Radiology) - Vienna, Austria

12. **Silva M**, Sverzellati N, Colombi D, La Vecchia C, Galeone C, Marchiano A, Pastorino U. Pleural abnormalities in lung cancer screening trial: prevalence, features, and relation with cancer.

American Thoracic Society 2015 International Conference, May 15-20, 2015 – Denver, CO

13. Colombi D, Sverzellati N, **Silva M**, Kauczor HU, Ehlers-Tenenbaum S, Baroke E, Herth FJ, Heussel CP, Eichinger M, Kreuter M. Spontaneous Pneumomediastinum Is A Predictor Of Mortality In Patients With Idiopathic Pulmonary Fibrosis

Joint Meeting of European Society of Thoracic Imaging (ESTI) and Fleischner Society 2015, June 4-6 – Barcelona, Spain

14. **Silva M**, Sverzellati N, Colombi D, La Vecchia C, Galeone C, Marchiano A, Pastorino U. Prevalence and features of pleural abnormalities in lung cancer screening trial: relation with asbestos exposure and risk of lung cancer.

Year 2016

ECR 2016, March 2-6 (European Congress of Radiology) - Vienna, Austria.

15. **Silva M**, Sverzellati N, Galeone C, Calareso G, Marchianò A, Sestini S, Sozzi G, Pastorino U. Low-Dose Computed Tomography for Lung Cancer Screening: Comparison of Performance Between Annual and Biennial Screen.

Congresso Nazionale SIRM 2016, September 15-18 (Società Italiana di Radiologia Medica) - Napoli, Italy

16. **Zambrini E**, **Silva M**, Chiari G, Montermini I, Manna C, Sverzellati N. Valutazione pre-chirurgica dell'invasione mandibolare nelle neoplasie del cavo orale: confronto tra diverse metodiche di imaging e fra diversi livelli di esperienza specialistica
17. **Silva M**, Sverzellati N, Marchianò A, Galeone C, Sestini S, Pastorino U. Screening del Tumore Polmonare con Tomografia Computerizzata a Bassa Dose: Confronto di Prestazioni tra Screening Annuale e Biennale

Year 2017

ECR 2017, March 1-5 (European Congress of Radiology) - Vienna, Austria.

18. **Silva M**, Capretti G, Sverzellati N, Jacobs J, Ciompi F, van Ginneken B, Schaefer-Prokop CM, Marchianò A, Pastorino U. Subsolid and Part-Solid Nodules In Lung cancer Screening: Comparison Between Visual and Computer-Aided Detection.

4th World Congress of Thoracic Imaging (WCTI), June 18-21 – Boston (MA), USA

19. **Silva M**, Capretti G, Sverzellati N, Jacobs J, Ciompi F, van Ginneken B, Schaefer-Prokop CM, Prokop M, Marchianò A, Pastorino U. Subsolid and Part-Solid Nodules In Lung cancer Screening: Comparison Between Visual and Computer-Aided Detection.

Year 2018

ECR 2018, February 28 - March 4 (European Congress of Radiology) - Vienna, Austria.

20. **Milanese G**, **Silva M**, Bruno L, Goldoni M, Maffei E, Cademartiri F, Sverzellati N. Epicardial fat volume as a potential imaging biomarker for coronary artery disease in symptomatic patients.
21. **Milanese G**, **Silva M**, Seletti V, Galeone C, Bartholmai BJ, Palmucci S, Piciucchi S, Karwoski RA, Sverzellati N. Follow-Up of Idiopathic Pulmonary Fibrosis: Computed Tomography vs Functional Metrics.

22. **Silva M**, Jacobs C, Galeone C, Capretti G, Ciompi F, van Ginneken B, Schaefer-Prokop CM, Prokop M, Marchianò A, Pastorino U, Sverzellati N. Active surveillance of subsoil nodules detected by screening: safe strategy to reduce overtreatment.

Joint Meeting of European Society of Thoracic Imaging (ESTI) and European Society of Cardiovascular Radiology (ESCR), May 24-26 - Geneva, Switzerland.

23. **Silva M**, Milanese G, Seletti V, Galeone C, Bartholmai BJ, Palmucci S, Piciucchi S, Karwoski RA, Sverzellati N. Information from Computed Tomography follow-up in Idiopathic Pulmonary Fibrosis: iPFBC Multicenter Pooled Comparison with clinical and functional metrics

European Society of Medical Oncology (ESMO) 2018 Conference, October 19-23 – Munich, Germany

24. Cavalieri S, De Cecco L, Calareso G, **Silva M**, Gazzani SE, Bologna M, Nauta I, Wesseling F, Lopez Perez L, Shefi R, Tountopoulos V, Fico G, Scheckenbach K, Brakenhoff RH, Hoebbers F, Canevari S, Poli T, Licitra L, Mainardi L, BD2Decide Consortium. Genomics features (GF) and integration with MRI radiomics features (RF) to develop a prognostic model in oral cavity squamous cell carcinoma (OSCC)

Year 2019

ECR 2019, February 28 - March 3 (European Congress of Radiology) - Vienna, Austria.

25. Pastorino U, **Silva M**, Sabia F, Sestini S, Boeri M, Sozzi G, Sverzellati N, Marchianò A. Low-dose computed tomography (LDCT) screening reduces overall and lung cancer specific mortality beyond 5 years.
26. **Silva M**, Sabia F, Milanese G, Sestini S, Jacobs C, van Ginneken B, Prokop M, Schaefer-Prokop CM, Sverzellati N, Marchianò A, Pastorino U. Lung cancer risk after baseline round of screening: only 20% of NLST eligibles require annual round. [Selected for Clinical Trials in Radiology (CTiR) scientific session, discussant Prof. Kauczor H.U.; invited abstract for the press conference within the CTiR]
27. Colombi D, Chiesa S, Bodini F, Morelli N, **Silva M**, Sverzellati N, Franco C, Michieletti E. Difference between measurement of T size at Computed Tomography and at resected specimen: is it relevant for NSCLC stage?
28. Milanese G, Cobelli R, Manna C, **Silva M**, Rasciti E, Poggesi S, Sverzellati N. CT angiography for pulmonary embolism in the emergency department: diagnostic accuracy of 20ml high-concentration contrast medium.

Joint Meeting of European Society of Thoracic Imaging (ESTI) and Fleischner Society 2019, May 9-11 – Paris, France

29. **Silva M**, Sabia F, Sestini S, Boeri M, Sozzi G, Marchianò A, Sverzellati N, Pastorino U. Low-dose computed tomography (LDCT) screening reduces lung cancer mortality beyond 5 years.
30. **Silva M**, Milanese G, Sabia F, Jacobs C, van Ginneken B, Prokop M, Schaefer-Prokop CM, Marchianò A, Sverzellati N, Pastorino U. Lung cancer risk after baseline round of screening: only 20% of NLST eligibles require annual round.
31. Milanese G, **Silva M**, Frauenfelder T, Eberhard M, Sverzellati N, Pastorino U. Comparison of Ultra-Low Dose Chest CT Scanning Protocols for the Detection Pulmonary Nodules According to LungRADS Categories: a Phantom Study.

105th Meeting of the Radiological Society of North America (RSNA), December 1 – 6, 2019 – Chicago, IL

32. **Silva M**, Milanese G, Sabia F, Jacobs C, van Ginneken B, Prokop M, Schaefer-Prokop C, Sestini S, Marchianò A, Sverzellati N, Pastorino U. Lung Cancer Screening in NLST Eligibles: Tailoring Annual Low-Dose Computed Tomography by Post-Test Risk Stratification

Year 2020

European Society of Medical Oncology (ESMO) 2020 Conference, December 9-12 – Online

33. Menis J, Bironzo P, Radj G, Greillier L, Monnet I, Livi L, Young R, Decroisette C, Cloarec N, Robinet G, Schott R, Califano R, De Marinis F, Mauer M, Pochesci A, **Silva M**, Caramella C, Dingemans AM, Dive C, Besse B. Circulating tumour cells (CTCs) count and PD-L1 expression in untreated extensive small cell lung cancer patients treated in the REACTION trial, a phase II study of etoposide and cis/carboplatin with or without pembrolizumab. (NCT02580994)
url: <https://doi.org/10.1016/j.annonc.2020.10.494>

Year 2021

European Society of Medical Oncology (ESMO) 2021 Conference, September 16-21 – Online

34. Girard N, Ponce Aix S, Cedres S, Berghmans T, Burgers S, Toffart AC, Popat S, Janssens A, Gervais R, Hochstenbag M, **Silva M**, Burger IA, Prosch H, Stahel R, Govaerts AS, Pochesci A, Neven A, Peters S. Efficacy and safety of nivolumab for patients with pre-treated type B3 thymoma and thymic carcinoma: Results from the EORTC-ETOP NIVOTHYM phase II trial. (NCT03134118)
url: <https://doi.org/10.1016/j.annonc.2021.08.2147>

Year 2022

International Association for the Study of Lung Cancer (IASLC) – World Congress of Lung Cancer 2022 (WCLC2022) – August 6-9, Vienna/Austria

35. Behr C, Koffijberg H, IJzerman M, Kauczor HU, Revel MP, **Silva M**, von Stackelberg O, van Til J, Vliegenthart R
Citizens' willingness to participate in combination screening for lung cancer, COPD and CVD
36. **Silva M**, Prosch H, Voigt W.
Clinical scores, biomarkers and IT tools in lung cancer screening – can an integrated approach overcome current challenges?

Year 2023

International Association for the Study of Lung Cancer (IASLC) – World Congress of Lung Cancer 2023 (WCLC2023) – September 9-12, Singapore

37. Togka K, Pan X, Lancaster H, **Silva M**, Oudkerk M
Cost-consequence analysis of artificial intelligence assisted image reading in lung cancer screening.
38. Lancaster H, Heuvelmans MA, Gratama JW, **Silva M**, Oudkerk M
Low-Dose CT Iterative Reconstructions can Impact Lung Nodule Measurements and Type Classification
39. Vonder M, van der Aalst C, Hubert J, Moldovanu D, Schmitz A, Delorme S, Gratama JW, **Silva M**, de Koning H, Oudkerk M.
Artificial Intelligence as Concurrent Reader in Prospective European Lung Cancer Screening (4-IN-THE-LUNG-RUN) Trial
40. Lancaster HL, Jiang B, Gratama JW, **Silva M**, Heuvelmans MA, Oudkerk M.
AI Can Greatly Reduce Radiologist Workload if Used as a First Read Filter to Rule-Out Negative Cases in Lung Cancer Screening

ESCR ESTI Joint Meeting 2023, October 26-28, Berline (DE)

41. Gallone VI, Zilioli C, Favia P, Mura R, Leo L, Cavalieri DM, Tesse D, Ledda RE, Milanese G, Sverzellati N, **Silva M**.
Feasibility Of AI-Based Automated Reading For LungRADS Categories Assignment: A Preliminary Analysis.

Year 2024

ECR 2024, February 28 - March 3 (European Congress of Radiology) - Vienna, Austria.

42. Han D, Heuvelmans MA, Lancaster HL, Gratama JWC, **Silva M**, Field J, Oudkerk M.
Impact of perifissural nodules on false positive rates in lung cancer screening with AI as the initial reader.
43. Han D, Vonder M, Van Der Aalst C, Schmitz A, Gratama JWC, **Silva M**, De Koning HJ, Oudkerk M.
Dedicated cardiovascular screening in lung cancer screening: preliminary results from the European 4-IN-THE-LUNG-RUN trial.

Invited Scientific Session - CTIR 13 - Clinical Trials in Radiology 2 (discussant Dr. De Margerie-Mellon C.):

44. **Silva M**, Gratama JWC, Schmitz A, Genzel P, Delorme S, Van Der Aalst C, Han D, De Koning HJ, Oudkerk M.
European lung cancer screening implementation: 4-IN-THE-LUNG-RUN trial.
(<https://cordis.europa.eu/project/id/848294>)
45. **Silva M**, Gratama JWC, Schmitz A, Delorme S, Oudkerk S, Han D, De Koning HJ, Oudkerk M.
Artificial intelligence as concurrent reader in prospective European Lung Cancer Screening (4-IN-THE-LUNG-RUN) trial. (<https://cordis.europa.eu/project/id/848294>)

International Association for the Study of Lung Cancer (IASLC) – World Congress of Lung Cancer 2024 (WCLC2024) – September 7-10, San Diego (CA – USA)

46. Lancaster HL, Jiang B, Gratama JWC, **Silva M**, de Bock GH, Field JK, Heuvelmans MA, Oudkerk M.
Inter-Reader Agreement of AI Versus Human Readers in Baseline LDCT Lung Nodule Classification; A UKLS Trial Dataset Sub-Study.
47. Walstra A, Lancaster HL, Heuvelmans MA, Gratama JWC, **Silva M**, Oudkerk M
AI as Primary Reader in 4-IN-THE-LUNG-RUN Lung Cancer Screening Trial: Impact on Negative Misclassification and Referral Rate

Congresses/Courses AS FACULTY: Invited Speaker

Year 2011

1. Congresso Regionale Associazione Italiana Pneumologi Ospedalieri (AIPO) Lombardia: “La HRCT nelle patologie Ostruttive Polmonari: non solo enfisema”. October 07-08, 2011 - Milano (IT).
2. Il Raduno regionale del Gruppo SIRM Emiliano-Romagnolo: “Interstiziopatie Diffuse”. November 18, 2011 - Bologna (IT).

Year 2012

3. Simpósio Brasil-Itália, Módulo Pneumologia: Avaliação radiológica, Session of Interstitial Lung Diseases. May 9-11, 2012 - Parma (IT).
4. Integrazione Ospedale-Territorio, “Ipertensione polmonare - Percorso Diagnostico Terapeutico”. September 27, 2012 - Parma (IT)

Year 2014

5. Corso Avanzato di HRCT. April 9-11 and May 14-16, 2014 - Parma (IT).
6. HERMES National Summer School 2014 (European Respiratory Society). July 7-10, 2014 - Milan (IT).
7. 4th International Thoracic Oncology Congress Dresden (IT OCD 4), September 12-14, 2014 - Dresden (DE).
8. HRCT delle malattie polmonari diffuse. Sezione di Radiologia Toracica, Società Italiana di Radiologia Medica (SIRM). October 10, 2014 - Trento (IT).

9. TC ad Alta Risoluzione del Torace. Sezione di Radiologia Toracica, Società Italiana di Radiologia Medica (SIRM). November 14, 2014 - Roma (IT).

Year 2015

10. Thoracic Surgery Part I – European Association of Cardio-Thoracic Surgery (EACTS) : “Screening for Lung Cancer and Sleeve Resections” . April 13-17, 2015 – Windsor (UK)
11. IV Congresso Nazionale AIMAR - 8th International Conference on Management & Rehabilitation of Chronic Respiratory Failure: “L’ Imaging in Oncologia Polmonare” . May 6-9, 2015 – Pescara (IT)
12. Joint Meeting European Society of Thoracic Imaging (ESTI) and Fleischner Society. “Parametric response maps: A new clinical tool for imaging?”. June 4-6, 2015 – Barcelona (ES)
13. Euroregional Conference on Thoracic Oncology: “Lung Cancer Screening by Spiral CT” . June 12-13, 2015 - Vilnius (LT)
14. Convegno Nazionale della Sezione di Radiologia Toracica della SIRM; Sessione “Broncopneumopatia Cronica Ostruttiva: Focus sulla Patologia Ostruttiva delle Piccole Vie Aeree” : Diagnostica per Immagini per la “Daily Practice” . September 16-18, 2015 – Parma (IT).
15. Corso di Formazione Teorico-Pratico dell’Associazione Italiana Pneumologi Ospedalieri (AIPO) - Tubercolosi: Emergenza Sanitaria Globale. “Aspetti Radiologici della Malattia Tubercolare” . October 8-9, 2015 – Parma (IT).
16. HRCT delle malattie polmonari diffuse. Sezione di Radiologia Toracica, Società Italiana di Radiologia Medica (SIRM). October 9-10, 2015 - Rovereto (IT).
17. Thoracic Imaging - European Respiratory Society (ERS) : “Mediastinum” 22-24 October, 2015 – Barcelona (E)

Year 2016

18. PneumoTrieste 2016: “Lo screening del tumore polmonare: siamo pronti?”. April 11-13, 2016 – Trieste (IT).
19. Congresso della Sezione Regionale AIPO Emilia Romagna, Sessione “Coinvolgimento Polmonare nelle Patologie Reumatologiche”, April 20, 2016 – Modena (IT)
20. Corso AIPO – V Post Graduate Course “LE PNEUMOPATIE INTERSTIZIALI DIFFUSE | PID |”, April 28-30, 2016 – Gubbio (IT)
21. 19th WCBIP/WCBE World Congress - Joint Meeting of the World Association for Bronchology and Interventional Pulmonology and the International Bronchoesophagological Society, May 8-11, 2016 – Florence (IT)
22. “International Symposium on: COPD” organized by the University of Florence, June 23-25, 2016 – Florence (IT)
23. XVII Congresso Nazionale della Pneumologia, Session “Imaging Toracico”, Lecture: “Sistemi di quantificazione delle malattie infiltrative diffuse” AND Session “Screening del tumore del polmone mediante TC toracico a bassa dose: mito o realtà?”, Lecture “Indicazioni sullo screening”, October 5-7, 2016 – Milan (IT)
24. Corso di Formazione Teorico-Pratico dell’Associazione Italiana Pneumologi Ospedalieri (AIPO) - Tubercolosi: Emergenza Sanitaria Globale. “Aspetti Radiologici della Malattia Tubercolare”. October 20-21, 2016 – Parma (IT)
25. IV HERMES National School, Lecture “Lung Imaging”, November 28-December 1, 2016 – Milan (IT)

Year 2017

26. Course “Diffuse Lung Diseases: a Multidisciplinary Approach”, Lecture “Nodular pattern on HRCT”, January 20, 2017 – Bologna (IT).
27. ECR 2017 (European Congress of Radiology) – Session (RC 1204): “Thoracic manifestations of systemic disease”, Lecture: “Systemic sclerosis”, March 1-5 (European Congress of Radiology) - Vienna, Austria.
28. 6th AIR Meeting Italia, Session “Interactive Workshop on Fibrotic Lung Diseases – Multidisciplinary Clinical Challenge”, March 31-April1, 2017 – Bologna (IT).
29. Convegno Nazionale della Sezione di Radiologia Toracica della SIRM, Session “Lo screening del tumore polmonare”, Lecture “Linee guida e raccomandazioni internazionali a confronto” – September 14-16, 2017 – Rome (IT).
30. Course “Aspetti pratici di gestione dell’immunoterapia nella pratica clinica: fra PDL1, tossicità endocrinologica e pseudo-progression”, Lecture “Imaging in corso di immunoterapia”, September 18, 2017 – Parma (IT).
31. Course “Master in Asma Bronchiale”, Lecture “Imaging dell’asma grave e della rinosinusite”, September 29-30, 2017 – Garbagnate Milanese (IT).
32. Course “Master Class di Radiologia”, Lecture “Il CAD nelle malattie diffuse polmonari”, October 9-10, 2017 – Parma (IT).
33. Course “Imaging Oncologico Polmonare”, Lecture “Screening”, October 17, 2017 – Bologna (IT)
34. Congress “Tosse e dispnea nella pratica clinica”, Lecture “Ruolo dell’imaging nella dispnea”, November 17-18, 2017 – Parma (IT).

Year 2018

35. ECR 2018 (European Congress of Radiology) – E³ - ECR Academies – Topic 18 “Chest Imaging” – E³ 118: “Lung cancer in the era of molecular oncology and immune therapy”, Lecture: “ALK-rearranged lung adenocarcinomas”, February 28-March 4 (European Congress of Radiology) - Vienna, Austria.
36. Società Italiana di Radiologia Medica (SIRM): Course “Il nodulo polmonare: aggiornamenti nella diagnosi e nel management” – Sessione “La gestione del nodulo polmonare”, Lecture “Il nodulo polmonare: aggiornamenti nella diagnosi e nel management”, March 22, 2017 – Istituto Europeo Oncologico, Rozzano (MI), Italy.
37. Course: “Il percorso del paziente con NSCLC avanzato con l’avvento dell’immunoterapia in I linea: difficoltà e soluzioni nella pratica clinica quotidiana” – Session “Il percorso del paziente nella fase terapeutica”, Lecture “Il momento della rivalutazione di malattia”, March 27, 2018 – Parma (IT).
38. 99th Deutscher Röntgenkongress. Session “International Image Interpretation Quiz”, May 11, 2018 – Leipzig, Germany.
39. Joint Meeting of European Society of Thoracic Imaging (ESTI) and European Society of Cardiovascular Radiology (ESCR), Session “COPD”, Lecture “Imaging work up in Lung Volume Reduction surgery”, May 24-26 – Geneva, Switzerland.
40. Course “Dibattito sulle Interstiopatie Polmonari Fibrosanti”, Lecture “Imaging: Nuove Acquisizioni per la Corretta Interpretazione del Pattern Radiologico”, October 19-20, 2018 – Napoli (IT).
41. Thoracic Imaging - European Respiratory Society (ERS), Lecture “Mediastinum” 25-27 October, 2018 – Barcelona (E)

42. Congresso Nazionale SIRM 2018 (Societa Italiana di Radiologia Medica); Lecture: “Modulazione della dose negli studi TC del torace: fino a che punto ci possiamo spingere?”. November 08-11, 2018 – Genova, Italy
43. Course “Brixia 2018: Una giornata sull’Imaging del polmone”, Session “Il nodulo polmonare: solido, parzialmente solido e ground-glass”, Lecture “Imaging radiologico del nodulo parzialmente solido e ground-glass”, December 3, 2018 – Brescia (IT).
44. Course “Brixia 2018: Una giornata sull’Imaging del polmone”, Session “Interstiziopatie fibrosanti: III parte (casistica ragionata)”, December 3, 2018 – Brescia (IT).
45. Course “HRCT del torace: dalla tecnica alla refertazione”, Session “Focus sulle patologie fibrosanti del polmone”, Lecture “L’IPF e il rischio di tumore polmonare”, December 14-15, 2018 – Palermo (IT)

Year 2019

46. Course “Le malattie polmonari diffuse fibrosanti” – Lecture: “Tecniche di Quantificazione”. January 25, 2019 – Milan (IT)
47. ECR 2019 (European Congress of Radiology)
 - POSTGRADUATE EDUCATIONAL PROGRAMME – Multidisciplinary Session (MS1): “Lung Cance Team”, Lecture: “Imaging and staging”, February 27-March 3 (European Congress of Radiology) - Vienna, Austria
 - E³ - ECR Academies – Topic 18 “Chest Imaging” – E³ 118: “Lung cancer in the era of molecular oncology and immune therapy”, Lecture: “ALK-rearranged and others mutations of lung adenocarcinomas”, February 27-March 3 (European Congress of Radiology) - Vienna, Austria
48. Joint Meeting European Society of Thoracic Imaging (ESTI) and Fleischner Society. *Pre-congress Workshop*, Session: “High Resolution CT”, Lecture: “GGO opacities and consolidation”. May 8, 2019 – Paris (FR)
49. Joint Meeting European Society of Thoracic Imaging (ESTI) and Fleischner Society. Session: “CT Lung Cancer Screening”, Lecture: “Risk models and biomarkers: Do they improve screening?”. May 9-11, 2019 – Paris (FR)
50. International Association for the Study of Lung Cancer (IASLC) World Congress on Lung Cancer (WCLC) – September 7-10, Barcelona.
Pre-congress Workshop:
 - Session: “Next Gen Imaging for Lung Cancer Screening How Do We Get There?”, Lecture: “Group Discussion with Interactive Questions”
 - Session “Functional Imaging Issues with Screening”, Lecture: “Experience with Imaging Platform Consistency”
 Pre-congress Symposium:
 - Session: “Global Prospective on Evolving Issues with CT Imaging in Lung Cancer Screening Populations”, Lecture: “Application of updated Fleischner Society Guidelines for Management of Lung Nodules”
51. Symposium “NELSON, MILD und Co: Neue Erkenntnisse zum Lungenscreening”, Lecture “MILD, BioMILD results and further prospective”. October 24, 2019 – Universitätsspital Zürich (CH)

Year 2020

52. Netherlands Heart Days 2020. Session 3 "Lung Nodule Detection and Characterization", Lecture "Baseline Nodules in Lung Cancer Screening". January 16-18, 2020 – Nieuwpoort, Curaçao.
53. Scandinavian MDCT course – January 22-24, 2020 in Larvik, Norway.
Lectures:
 - "Lung cancer: radiological management of advanced disease and radiological opportunities for early diagnosis"
 - "Smoking related lung diseases and radiological differential in dyspnea"
54. Course: "PROGETTO PRIMATO. L'inquadramento del clinico e il contributo del radiologo su: BPCO, infezioni polmonari, interstiziopatie, noduli polmonari" – Lecture: "Il nodulo polmonare: facile rivelarlo... ma come gestirlo? Un aiuto dello screening". January 23-25, 2020 – Milan
55. ECR 2020 (European Congress of Radiology) – Session "NH 16 - Lung cancer screening implementation in Europe: is it inevitable?", Lecture: "Lung cancer screening in Europe", July 15-19 (European Congress of Radiology) – Online
56. Webinar della Sezione di Radiologia Toracica della SIRM, Session "Lo screening del tumore polmonare: a che punto siamo?", Lecture: "Screening del tumore polmonare: evidenze dai trials ", September 14 – Online
57. Course: "Maratona di Pratica Clinica Respiratoria: 1° ROUND", Session: "Modulo 4: Imaging", Lecture: "Nodulo polmonare: facile rilevarlo...ma come gestirlo? Un aiuto dallo screening", September 14-18 – Online
58. Congresso Nazionale SIRM 2020 (Società Italiana di Radiologia Medica); Session: "Deep learning – Il tumore polmonare: stato dell'arte e nuove prospettive", Lecture: "Screening del tumore del polmone: pronti per partire?". October 1-2 – Online and Rimini, Italy
59. ECR 2020 Highlight Weeks: "Highlight Week Cardiovascular/Chest" September 29-30, 2020 – Online
 - Session: "C 19 - Structured reporting: how to provide the key information - application to thoracic imaging", Lecture "Pulmonary nodules in lung cancer screening"
 - Session: "ESTI - Lung nodule management: case-based session", Lecture "Solid nodule measurement, follow-up and criteria of positive screens"
 - Session: "Live Session: Chest", Panelist.
60. Journées Francophones de Radiologie Diagnostique & Interventionnelle – Medical Imaging International Congress, October 2-5 – Online and Paris, France
 - Session: "Management of the first wave of the COVID-19 epidemic, country experiences", Lecture: "Expérience italienne"
 - Session in French: "Faire face à la pandémie de COVID-19 : évaluation internationale de la réponse de l'imagerie", Lecture in French: "Réponse de l'imagerie dans la pandémie COVID en Italie"
61. Prevent Cancer Foundation "Quantitative Imaging Workshop XVII: Leveraging CT to Accelerate Detection of Lung Cancer, COPD and Cardiovascular Disease", Panelist in the Session: "Making Progress Toward a COPD & Small Lung Nodule Protocol", October 29 – Online (<https://web.cvent.com/event/465f1a7c-bf28-4ad8-829a-567b91870a43/summary>)
62. Webinar: "Pneumodicina 2020", Session "Radiologia", Lecture "Approccio quantitativo nelle malattie fibrosanti polmonari" – November 23, 2020 – Online and Milan, Italy

63. European Society of Thoracic Imaging (ESTI) – Winter Course. Session: “COVID and infection”, Lecture: “Thoracic Imaging in COVID-19”. December 10, 2020 – Online and Tromsø, Norway
64. Webinar: “Integrate 3.0 - Update sul trattamento del NSCLC in Stadio III”, Session “MODULO III - Valutazione della risposta e survivorship” – December 17, 2020 – Online and Genova, Italy
 - Lecture: “Valutazione della risposta al trattamento combinato”
 - Lecture: “Quale follow up dopo trattamento integrato?”

Year 2021

65. ECR 2021 (European Congress of Radiology) – Session “E3 919 - Low-dose thoracic CT: only screening for lung cancer?”, Lecture: “Overview of lung cancer screening activities in European countries”, March 3-7, 2021 – Online
66. Case-based webinars della Sezione di Radiologia Toracica – Session “Il Management del Nodulo Polmonare nella Pratica Clinica: Revisione di casistica”, Lecture “Nodulo Subsolido” – May 17, Online
67. “NSCLC on Stage” – Lecture “Ruolo dell’Imaging Stadiativo”, April 28 and May 21, 2021 – Online
68. IASLC 2021 CT Screening Symposium (International Association for the Study of Lung Cancer) – Session “Topic 3: Lung Cancer Screening implementation methodology”, Lecture: “Reconstruction protocols software vendor performance”, May 7-8, 2021 – Online
69. Progetto SEGNO: La Semeiotica clinica e l’imaGiNg delle patOlogie respiratorie – Session “L’imaging toracico”, Lecture “Il nodulo polmonare: facile rilevarlo..ma come gestirlo? Un aiuto dallo screening” – September 9-10, Napoli
70. International Association for the Study of Lung Cancer (IASLC) – World Congress of Lung Cancer 2021 (WCLC2021). Session: “Screening and Early Detection in Lung Cancer”, Lecture: “Future Directions: Screening and AI” – September 8-14 – Online
71. La Diagnosi Precoce del Tumore Polmonare Tramite TC a Bassa Dose: il Progetto PEOPLE, Session “La Diagnosi Precoce del Tumore Polmonare”, Lecture “Il Nodulo Polmonare” – October 2, Catania
72. Congresso Congiunto delle Sezioni di Radiologia Toracica, Radioprotezione e Radiobiologia con il Gruppo Regionale SIRM Lombardia.
Convegno Nazionale della Sezione di Radiologia Toracica – Session “Screening del Tumore Polmonare”, Lecture “I risultati dei trials dell’ultimo decennio” – October 8-9, Milan
73. Maratona di Pratica Clinica Respiratoria: 2° Round. Session: “L’Imaging del Torace: Le Patologie Respiratorie Sotto la Lente”, Session “Il nodulo polmonare: facile rilevarlo..ma come gestirlo? Un aiuto dallo screening” – October 7-10, Viareggio
74. Quantitative Imaging Workshop XVIII: Optimizing Thoracic Imaging to Detect and Manage Early Lung Cancer and COPD (Prevent Cancer Foundation) – Session “Lung Cancer & Copd Imaging – Technical Imaging Guidance”, Lecture “Improving CT Lung Cancer Screening Through Image Quality Optimization” – November 4-5, Online
75. European Society of Thoracic Imaging, Section of Lung Cancer Screening: Workshop “Hands-on” for the use of computer aided detection for volume segmentation of lung nodules – October 13, Online
Role: Master Tutor

Year 2022

76. Italian Network for Education in Residency Program – Series “Emergencies”, Seminar n° 8 “Dyspnoea”. March 8, 2022 – Online

77. Pneumomedicina 2022, Session “Hot topics in radiologia toracica”, Lecture “ILA (Interstitial lung abnormalities)”. May 26-28, 2022, Milan/Italy
78. 28th Annual Scientific Meeting of the European Society of Thoracic Imaging (ESTI) – Session “Screening”, Lecture “3 challenges – Lessons learned from Italy”. June 09-11, Oxford/United Kingdom
79. 28th Annual Scientific Meeting of the European Society of Thoracic Imaging (ESTI) – Session “Lung Nodule”, Lecture “Incidental nodules: How to reduce over diagnosis and investigation?”. June 09-11, Oxford/United Kingdom
80. European Society of Thoracic Imaging, Section of Lung Cancer Screening: Workshop “Hands-on” for the use of computer aided detection for volume segmentation of lung nodules – June 20, Online
Role: Master Tutor
81. European Respiratory Society (ERS) Research Seminar “Time to move forward: Challenges and Research Opportunities for Lung Cancer Screening and Early Detection in Europe” – Session “Session 3: The world does not stand still: evolution in diagnosis and treatment”, Lecture “Is ultra-low-dose ready for practice?”. June 23-24, 2022, Lisbon/Portugal.
82. ECR 2022 (European Congress of Radiology) – Session “E³ - Advanced Course: Lung, Mediastinum and Pleural Imaging – Subsolid lung nodules: the integrated approach”, Lecture: “When to intervene”, July 14-17, Vienna/Austria
83. XXI CONGRESSO NAZIONALE della Società Italiana di Endoscopia Toracica (SIET) – Session “Early Stage / Screening”, Lecture “Indeterminate And Collateral Findings: Hand Guide And Optimized Management”. September 29 – October 1, Rome/Italy
84. Prevent Cancer Foundation “Quantitative Imaging Workshop XIX: Utilizing Quantitative Thoracic Imaging to Optimize Population Health”, Panelist in the Session: “Session Five: Exploring New Ct Imaging & Artificial Intelligence Technical Opportunities”, Introductory Lecture “New CT Technologies: Opportunities and Challenges”, November 4 – Online
85. European Society of Thoracic Imaging, Section of Lung Cancer Screening: Workshop “Hands-on” for the use of computer aided detection for volume segmentation of lung nodules – November 21, Online
Role: Master Tutor

Year 2023

86. ECR 2023 (European Congress of Radiology) – March 1 – 5, Vienna (Austria)
 - Oncologic Imaging (ETC Level: LEVEL II+III) – Session “E3 25B –Lung cancer screening (LCS): a newcomer to the game”, Lecture “Who should be screened, how and at which intervals?” – March 2, 2023
 - Chest, Imaging Methods (ETC Level: LEVEL I+II) – Session “BS 20b – Thorax: all you need to know in daily clinical hospital practice”, Lecture “Tips and tricks about pulmonary nodules” – March 4, 2023
87. European Society of Thoracic Imaging, Section of Lung Cancer Screening: Workshop “Hands-on” for the use of computer aided detection for volume segmentation of lung nodules – June 15, Online
Role: Master Tutor
88. 44th International Conference On Screening For Lung Cancer & 12th Conference On Research For Early Lung Cancer Treatment – June 28-30, Verona (Italy) and Online (Hybrid meeting format)

- Panel discussion “Expanding the Role of Nodule Volumetric - Role of Nodule Volumetric”
- Session “Technology updates”, Lecture “Minimizing Radiation Exposure”
- 89. ESCR ESTI Joint Meeting 2023, Session “Masterkurs Thorax –LCS II: Implementation”, Lecture “LCS in Europe”. October 26-28, Berlin (DE)
- 90. 1° Congresso Nazionale AITeRTC, Session “TC Polmonare”, Lecture “I vari programmi di screening del tumore polmonare”. November 3-4, Parma (IT)
- 91. MAMMELLA-TORACE Espandiamo l’orizzonte - Convegno Nazionale Congiunto delle Sezioni di Studio di Senologia e Radiologia Toracica con la partecipazione della Sezione di Studio dei Mezzi di Contrasto, Session “Screening Carcinoma Mammario e Polmonare”, Lecture “Criticità dello screening carcinoma polmonare: adesione ai round di screening ed alla gestione dei reperti indeterminate” – November 8-11, Torino (IT)
- 92. European Society of Thoracic Imaging, Section of Lung Cancer Screening: Workshop “Hands-on” for the use of computer aided detection for volume segmentation of lung nodules – November 13, Online
Role: Master Tutor
- 93. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “Solid nodule measurement and follow - up, criteria of positive screen”. December 11, 2023 – Online

Year 2024

- 94. European Society of Thoracic Imaging, Section of Lung Cancer Screening: Workshop “Hands-on” for the use of computer aided detection for volume segmentation of lung nodules – February 1, Online
Role: Master Tutor
- 95. ESTI 2024 Annual Scientific Meeting, May 9-11, Rome (IT)
 - Session “Lung Cancer Screening: An update”, Lecture “ESTI paper on definition of positive, indeterminate and negative screen”
 - Session “Instructional Course: Pitfalls in thoracic imaging”, Lecture “Lung cancer staging - Tips and tricks”
- 96. AGILE^{DxRx} Conference - Alliance for Global Implementation of Lung and Cardiac Early Disease Detection. Panelist in the Session “CT Protocol Management Updates”. May 9-11, Madrid/Spain
- 97. “Corso di alta Formazione di Imaging Avanzato - Per utilizzatori Dual Source e Iomeron 400”, Session “Onco-DE”, Lecture “Lung Cancer Screening”. May 22, Milan/Italy
- 98. 51° Congresso Nazionale SIRM 2024 (Società Italiana di Radiologia Medica), Session: “Screening del tumore polmonare”, Lecture “Requisiti tecnici per screening”. June 20-23, Milan/Italy
- 99. European Society of Thoracic Imaging, Section of Lung Cancer Screening: Workshop “Hands-on” for the use of computer aided detection for volume segmentation of lung nodules – October 10, Online
Role: Master Tutor
- 100. Prevent Cancer Foundation & American Lung Association “Quantitative Imaging Workshop XXI: Advancing Routine Clinical Use of Health Information from Thoracic CT Screening for Public Health”, Panelist in the Session: “Session 3: Deploying Artificial Intelligence for Lung Cancer Screening”, November 14 – Online
- 101. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “Solid nodule measurement and follow - up, criteria of positive screen”. December 9,

2023 – Online

Congresses/Courses AS FACULTY: Moderator

Year 2015

1. Joint Meeting European Society of Thoracic Imaging (ESTI) and Fleischner Society. Session “Controversies in thoracic oncology”. June 4-6, 2015 – Barcelona (ES).
2. HRCT delle malattie polmonari diffuse. Sezione di Radiologia Toracica, Società Italiana di Radiologia Medica (SIRM). October 9-10, 2015 - Rovereto (IT).

Year 2016

3. ECR 2016, March 2-6 (European Congress of Radiology) - Vienna, Austria. Moderator in the Scientific Session “SS 604 (Topic: Chest): Spectral CT, nodules, fibrosis and emphysema”.

Year 2017

4. 4th World Congress of Thoracic Imaging (WCTI), Session “Quantitative, Emphysema, Infection”, June 18-21 – Boston (MA), USA.
5. Associazione Italiana Pneumologi Ospedalieri (AIPO): Course “Tubercolosi, da stop TB a end TB”, Session “Aspetti Clinici e Diagnostici”, November 9 – Parma (IT).

Year 2018

6. Società Italiana di Radiologia Medica (SIRM): Course “Il nodulo polmonare: aggiornamenti nella diagnosi e nel management” – Sessione “Il nodulo polmonare: oltre imaging radiologico”, Invited lecture “Il nodulo polmonare: aggiornamenti nella diagnosi e nel management”, March 22, 2017 – Istituto Europeo Oncologico, Rozzano (MI), Italy
7. Checklist di refertazione dell’imaging testa-collo, May 4 2018 – Parma, Italy
8. Joint Meeting of European Society of Thoracic Imaging (ESTI) and European Society of Cardiovascular Radiology (ESCR), Scientific Session “Lung cancer”, May 24-26 – Geneva, Switzerland.
9. Congresso Nazionale SIRM 2018 (Società Italiana di Radiologia Medica); Scientific Session: “Miscellanea”. November 08-11, 2018 – Genova, Italy

Year 2019

10. ECR 2019, February 28 – March 3 (European Congress of Radiology) - Vienna, Austria. Moderator in the Refresh Course (RC 504) “Pulmonary neuroendocrine proliferations and neoplasms” within the Postgraduate Educational Programme.
11. European Respiratory Society (ERS) International Congress 2019 Madrid IFEMA, Spain, 28 September – 2 October 2019. Session: “Lung Cancer Grand Round”

Year 2020

12. Netherlands Heart Days 2020, January 16-18 – Nieuwpoort, Curaçao. Moderator in “Session 5 – B3 Hot Topics” in Lung Cancer Screening (Speakers: Oudkerk M, Baldwin DR, Vliegenthart R).
13. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “Solid nodule measurement and follow up criteria for positive screens”. December 14, 2020 – Online

Year 2021

14. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “Subsolid nodules evaluation and follow - up, criteria of positive screens”. January 18, 2021 – Online
15. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “How to evaluate the coronary arteries and management of ancillary findings”. February 22, 2021 – Online
16. European Respiratory Society (ERS) International Congress 2021. Session: “Imaging in COVID-19”. September 5-8, 2021 – Online
17. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “An overview of LCS: A summary of the main trial results from ELCAP to NELSON”. September 13, 2021 – Online
18. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “Solid nodule morphological evaluation: How to recognise obviously benign/malignant nodules, how to recognise intrapulmonary lymph nodes, pitfalls”. November 15, 2021 – Online
19. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “Solid nodule measurement and follow - up, criteria of positive screen”. December 5, 2021 – Online
20. European Society of Thoracic Imaging (ESTI) – Winter Course. Session “Nodules and lung cancer screening” – December 9-10, Online

Year 2022

21. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “Subsolid nodules evaluation and follow - up, criteria of positive screens”. January 31, 2022 – Online
22. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “How to evaluate the coronary arteries and management of ancillary findings”. February 21, 2022 – Online
23. European Society of Thoracic Imaging (ESTI), Webinar “Interstitial Lung Disease- the Multidisciplinary role of the Radiologist”. March 21, 2022 – Online
24. “MDD perfetto” issued by the Unit of Pulmonology of the University Hospital of Parma, Session 2 “Talk Show_Sharing Experience”. March 18, 2022
25. 28th Annual Scientific Meeting of the European Society of Thoracic Imaging (ESTI) – Session “Screening”. June 09-11, Oxford/United Kingdom
26. International Association for the Study of Lung Cancer (IASLC) – World Congress of Lung Cancer 2022 (WCLC2022), Session “ES01 - Implementation and Continuous Optimization of Lung Cancer Screening”. August 6-9, Vienna/Austria
27. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “An overview of LCS: A summary of the main trial results, from ELCAP to NELSON”. September 19, 2022 – Online
28. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI). Webinar: “Solid nodule morphological evaluation: How to recognise obviously benign/malignant

nodules, how to recognise intrapulmonary lymph nodes, pitfalls”. November 7, 2022 – Online

29. Lung Cancer Screening Certification Program issued by European Society of Thoracic Imaging (ESTI).
Webinar: “Solid nodule measurement and follow - up, criteria of positive screen”. December 5, 2022 – Online

Year 2023

30. ECR 2023 (European Congress of Radiology) – March 1 – 5, Vienna (Austria)
➤ Scienfitic Session “RPS 2204 - Thoracic imaging in COVID-19” – March 5, 2023

Year 2024

31. AGILE^{DxRx} Conference - Alliance for Global Implementation of Lung and Cardiac Early Disease Detection – May 9-11, Madrid/Spain
➤ Session “CT Image Acquisition and Interpretation: The Need for Standardization”
➤ Session “AI for Lung Nodules”

Congresses/Courses AS FACULTY: Scientific Committee

Year 2018

1. European Congress of Radiology (ECR) 2018, February 28-March 4, Vienna/Austria
Member of the **Scientific Subcommittee** "Chest".

Year 2019

2. European Congress of Radiology (ECR) 2019 February 27-March 3, Vienna/Austria
Member of the **Scientific Subcommittee** "Chest".

Year 2020

3. European Congress of Radiology (ECR) 2020 March 11-15, Vienna/Austria
Member of the **Scientific Subcommittee** "Chest".

Year 2021

4. International Association for the Study of Lung Cancer (IASLC) – World Congress of Lung Cancer 2021 (WCLC2021) September 8-14 – Online
Invited **Abstract Reviewer** (March 26, 2021)

Year 2022

5. International Association for the Study of Lung Cancer (IASLC) – World Congress of Lung Cancer 2022 (WCLC2022) August 6-9, Vienna/Austria
Chair for the “Early Detection and Screening” track

Year 2024

6. AGILE^{DxRx} Conference - Alliance for Global Implementation of Lung and Cardiac Early Disease Detection – May 9-11, Madrid/Spain
Planning Committee

Year 2025

1. AGILE^{DxRx} Conference - Alliance for Global Implementation of Lung and Cardiac Early Disease Detection – April 3-5, Bangkok/Thailand
Planning Committee
Education Director for the UEMS

Updated April 2025

Mario Silva

Mario Silva

ATTACHMENTS

Attachment 1



BANDO D.D. 553/2021
SETTORE CONCURSALE 06/I1
DIAGNOSTICA PER IMMAGINI, RADIOTERAPIA E NEURORADIOLOGIA

CANDIDATO: SILVA Mario - FASCIA: I

GIUDIZIO COLLEGIALE:

TITOLI	POSSESSO TITOLO (SI/NO)
a - Organizzazione o partecipazione come relatore a convegni di carattere scientifico in Italia o all'estero	Si
b - Direzione o partecipazione alle attività di un gruppo di ricerca caratterizzato da collaborazioni a livello nazionale o internazionale	Si
d - Responsabilità scientifica per progetti di ricerca internazionali e nazionali, ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari	No
e - Direzione o partecipazione a comitati editoriali di riviste, collane editoriali, enciclopedie e trattati di riconosciuto prestigio	Si
f - Partecipazione al collegio dei docenti ovvero attribuzione di incarichi di insegnamento, nell'ambito di dottorati di ricerca accreditati dal Ministero	No
g - Formale attribuzione di incarichi di insegnamento o di ricerca (fellowship) presso qualificati atenei e istituti di ricerca esteri o sovranazionali	Si
h - Conseguimento di premi e riconoscimenti per l'attività scientifica, inclusa l'affiliazione ad accademie di riconosciuto prestigio nel settore	Si

VALUTAZIONE TITOLI:

Il Dott Mario Silva è ricercatore a tempo determinato L.240/10 tipo B Università degli Studi di PARMA

Dopo valutazione la Commissione attribuisce 5 titoli:

A perché confacente ai criteri stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016

B perché confacente ai criteri stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016

E perché confacente ai criteri stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016

G perché confacente ai criteri stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016

H perché confacente ai criteri stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016



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Dopo valutazione la Commissione NON attribuisce 2 titoli

D perché NON confacente ai criteri stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016

F perché NON perché non dichiarato dal candidato.

GIUDIZIO:

Il Dott Mario Silva è ricercatore a tempo determinato L.240/10 tipo B Università degli Studi di PARMA Il candidato è valutato positivamente con riferimento al titolo 1 dell'Allegato A al D.M. 120/2016 poiché raggiunge 3/3 su 3 valori soglia dal D.M. 589/2018. Il candidato ha presentato N. 16 pubblicazioni scientifiche ex art. 7 DM 120/2016. Tenuto conto dei criteri di cui all'art. 4, del D.M. 120/2016, le pubblicazioni sono coerenti con le tematiche del settore concorsuale 06/I1 e con quelle interdisciplinari ad esso pertinenti, in quanto trattano Diagnostica per Immagini. La produzione scientifica del candidato risulta continua sotto il profilo temporale. La produzione scientifica risulta buona, sempre caratterizzata da rigore metodologico. La commissione attribuisce al candidato n. 5 titoli A, B, E, G ed H tra quelli stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016. Il titolo D non viene attribuito perché non in linea con i criteri stabiliti. Il titolo F non viene attribuito poiché non è stata presentata documentazione. Per le motivazioni di cui sopra, dopo analitico esame dei titoli e delle pubblicazioni ex art. 7 D.M. 120/2016, la Commissione all'unanimità ritiene che il candidato POSSIEDA la piena maturità scientifica richiesta per le funzioni di professore di I fascia

GIUDIZI INDIVIDUALI:

SERGIO BALDARI:

Il Dott Mario Silva è ricercatore a tempo determinato L.240/10 tipo B presso l'Università degli Studi di PARMA, SSD MED/36 - Diagnostica per immagini e radioterapia. Il candidato è valutato positivamente con riferimento al titolo 1 dell'Allegato A al D.M. 120/2016 poiché raggiunge 3/3 su 3 valori soglia dal D.M. 589/2018. Tenuto conto dei criteri di cui all'art. 4, del D.M. 120/2016, le pubblicazioni sono complessivamente coerenti con le tematiche del settore concorsuale 06/I1 e con quelle interdisciplinari ad esso pertinenti, in quanto trattano di Diagnostica per immagini. La produzione scientifica del candidato risulta continua sotto il profilo temporale. L'attività scientifica consta, in aggiunta ai 16 lavori presentati, di 121 ulteriori pubblicazioni. Le pubblicazioni presentate possono essere ritenute coerenti con il settore concorsuale e l'apporto individuale del candidato è chiaramente identificabile, risultando primo autore in 11 dei 16 lavori presentati, secondo autore in 4 e ultimo autore in uno. La produzione scientifica risulta continuativa e caratterizzata da rigore metodologico, e spunti innovativi e originali. La piena maturità scientifica del candidato è testimoniata dalla importanza delle tematiche scientifiche oggetto delle pubblicazioni e da risultati originali conseguiti nonché dalla collocazione di rilievo delle riviste. Le pubblicazioni sono di qualità elevata in relazione al settore concorsuale e alla fascia per la quale è stata richiesta l'abilitazione. Il candidato possiede n. n. 5 titoli A, B, E, G ed H tra quelli stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016: per il titolo A dichiara di aver partecipato in qualità di relatore a numerosi convegni di carattere nazionale e internazionale, su temi inerenti la patologia muscolo-scheletrica; per il titolo B è rilevabile documentazione delle collaborazioni con importanti gruppi di ricerca; per il titolo E fa parte dell' Editorial board di importanti riviste del settore della Diagnostica per immagini; per il titolo G risulta attestato "Research Fellow in Cardiothoracic Imaging; Department of Radiology, Beth Israel Deaconess Medical Center, Boston (MA); Harvard Medical School (HMS) per un periodo di un anno; per il titolo H ha ricevuto importanti riconoscimenti e premi in ambito di congressi nazionali ed internazionali. Il titolo D non può essere attribuito poiché quanto dichiarato/documentato non risponde ai criteri indicati dalla commissione. Il titolo F non può essere attribuito poiché il candidato non ne



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dichiara il possesso. Per le motivazioni di cui sopra, dopo analitico esame dei titoli e delle pubblicazioni ex art. 7 D.M. 120/2016, ritengo che il candidato POSSIEDA la piena maturità scientifica richiesta per le funzioni di professore di I fascia, pertanto, sia da ritenersi IDONEO.

LORENZO LIVI:

Il Dott Mario Silva è ricercatore a tempo determinato L.240/10 tipo B Università degli Studi di PARMA

Il candidato è valutato positivamente con riferimento al titolo 1 dell'Allegato A al D.M. 120/2016 poiché raggiunge 3/3 su 3 valori soglia dal D.M. 589/2018. Il candidato ha presentato N. 16 pubblicazioni scientifiche ex art. 7 DM 120/2016. Tenuto conto dei criteri di cui all'art. 4, del D.M. 120/2016, le pubblicazioni sono coerenti con le tematiche del settore concorsuale 06/I1 e con quelle interdisciplinari ad esso pertinenti, in quanto trattano Diagnostica per Immagini. La produzione scientifica del candidato risulta continua sotto il profilo temporale. La produzione scientifica risulta buona, sempre caratterizzata da rigore metodologico. Attribuisco al candidato n. 5 titoli A, B, E, G ed H tra quelli stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016. Il titolo D non lo attribuisco perché il candidato non in linea con i criteri stabiliti. Il tritolo F perché non presentato. Per le motivazioni di cui sopra, dopo analitico esame dei titoli e delle pubblicazioni ex art. 7 D.M. 120/2016, ritengo che il candidato POSSIEDA la piena maturità scientifica richiesta per le funzioni di professore di I fascia

CARLO MASCIOCCHI:

Il Dott. Mario Silva è ricercatore a tempo tipo B nel SSD MED/36 presso Università degli Studi di Parma.

Il candidato è valutato positivamente con riferimento al titolo 1 dell'Allegato A al D.M.

120/2016 poiché raggiunge 3/3 su 3 valori soglia dal D.M. 589/2018.

Il Dott. Silva ha presentato N. 16 pubblicazioni scientifiche ex art. 7 DM 120/2016. Tenuto conto dei criteri di cui all'art. 4, del D.M. 120/2016, le pubblicazioni sono coerenti con le tematiche del settore concorsuale 06/I1 e con quelle interdisciplinari ad esso pertinenti Esse sono principalmente incentrate su tematiche di diagnostica per immagini con una produzione scientifica continua sotto il profilo temporale.

L'apporto individuale del candidato è sempre chiaramente riconoscibile.

Le pubblicazioni sono di qualità elevata in relazione al settore concorsuale e alla fascia per la quale è stata richiesta l'abilitazione.

Il candidato possiede n. 5 titoli A, B, E, G ed H tra quelli stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016.

Il titolo D non viene attribuito in quanto non coerenti con i criteri indicati dalla commissione.

Il titolo F non è stato presentato dal candidato.

Per le motivazioni di cui sopra, dopo analitico esame dei titoli e delle pubblicazioni ex art. 7 D.M. 120/2016, ritengo che il candidato POSSIEDA la piena maturità scientifica richiesta per le funzioni di professore di I fascia, pertanto, sia IDONEO.

Letterio Salvatore POLITI:

Il Dott. Mario Silva è ricercatore a tempo tipo B nel SSD MED/36 presso Università degli Studi di Parma.

Il candidato è valutato positivamente con riferimento al titolo 1 dell'Allegato A al D.M.

120/2016 poiché raggiunge 3/3 su 3 valori soglia dal D.M. 589/2018.

Il candidato ha presentato N. 16 pubblicazioni scientifiche ex art. 7 DM 120/2016. Tenuto conto dei criteri di cui all'art. 4, del D.M. 120/2016, le pubblicazioni sono complessivamente coerenti con le tematiche del settore concorsuale 06/I1 e con quelle interdisciplinari ad esso pertinenti, principalmente incentrate su tematiche di diagnostica per immagini. La produzione scientifica del candidato risulta continua sotto il profilo temporale. L'apporto individuale del candidato è



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sempre chiaramente riconoscibile. Le pubblicazioni sono di qualità elevata in relazione al settore concorsuale e alla fascia per la quale è stata richiesta l'abilitazione.

Al candidato vengono riconosciuti n. 5 titoli (A, B, E, G ed H) tra quelli stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016. Il titolo D non può essere attribuito poiché quanto dichiarato/documentato non risponde ai criteri indicati dalla commissione. Il titolo F non può essere attribuito poiché il candidato non ne dichiara il possesso.

Per le motivazioni di cui sopra, dopo analitico esame dei titoli e delle pubblicazioni ex art. 7 D.M. 120/2016, ritengo che il candidato POSSIEDA la piena maturità scientifica richiesta per le funzioni di professore di I fascia, pertanto, sia IDONEO.

GIUSEPPE RUBINI:

Il Dott Mario Silva è ricercatore a tempo determinato L.240/10 tipo B Università degli Studi di PARMA.

Il candidato è valutato positivamente con riferimento al titolo 1 dell'Allegato A al D.M. 120/2016 poiché raggiunge 3/3 su 3 valori soglia dal D.M. 589/2018.

Il candidato ha presentato N. 16 pubblicazioni scientifiche ex art. 7 DM 120/2016.

Tenuto conto dei criteri di cui all'art. 4, del D.M. 120/2016, le pubblicazioni sono complessivamente coerenti con le tematiche del settore concorsuale 06/I1 e con quelle interdisciplinari ad esso pertinenti, in quanto trattano di Diagnostica per Immagini.

La produzione scientifica del candidato risulta continua sotto il profilo temporale.

L'apporto individuale del candidato è chiaramente riconoscibile. La produzione scientifica risulta continuativa e innovativa, sempre caratterizzata da rigore metodologico e ben collocata nel panorama scientifico nazionale e internazionale.

La piena maturità scientifica raggiunta dal candidato è attestata dalla importanza delle tematiche scientifiche affrontate e dal raggiungimento di risultati di rilevante qualità e originalità, tali da conferire una posizione ben riconosciuta nel panorama anche internazionale della ricerca.

Le pubblicazioni sono di qualità elevata in relazione al settore concorsuale e alla fascia per la quale è stata richiesta l'abilitazione.

Il candidato possiede n. n. 5 titoli A, B, E, G ed H tra quelli stabiliti dalla Commissione nella prima riunione ai sensi dall'art. 8, comma 1, del D.P.R. 95/2016. Il titolo D e F non vengono attribuiti in quanto non coerenti con i criteri indicati dalla commissione.

Per le motivazioni di cui sopra, dopo analitico esame dei titoli e delle pubblicazioni ex art. 7 D.M. 120/2016, ritengo che il candidato POSSIEDA la piena maturità scientifica richiesta per le funzioni di professore di I fascia, pertanto, sia IDONEO.

ABILITATO: Sì

VALIDO DAL 07/06/2022 AL 07/06/2032 (art. 16, comma 1, Legge 240/10)



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Mario Silva

Le principali linee programmatiche riguardano lo sviluppo di attività radiologiche integrate e standardizzate, con particolare interesse in ambito di:

- protocolli imaging con mezzi di contrasto
- attività di prevenzione secondaria (screening) del tumore polmonare tramite tomografia computerizzata a bassa dose radiante

Mario Silva